

L 15806-65
ACCESSION NR: AP4047826

(Yugoslavia), J. Hartnett, N. Zuber, K. Gazely, and E. M. Sparrow (USA), A. Ead (England), and others. Reports and theses were distributed to delegates for committee and general discussion, and readings were presented to bring the delegates up to date with progress in the USSR, USA, Great Britain, and France. A. V. Lyukov served as the conference chairman and delivered the opening address. The salient features and subdivisions of several scientific and technical problems were presented and summarized by the following: B. S. Petukhov (Convection Heat Exchange in a Single Phase Substance), I. P. Ginsburg (Heat and Mass Transfer for the Interaction of Bodies with Streams of Liquids and Gases), V. M. Borishanskiy (Heat and Mass Transfer during Phase Conversion), P. G. Romankov and I. I. Paleyev (Heat and Mass Transfer during Chemical Reactions and in Chemical Technology), S. S. Zabrodskiy (Heat and Mass Transfer in Dispersed Substances), P. D. Lebedev and A. S. Ginsburg (Heat and Mass Transfer in Drying Processes), Yu. A. Mikhailov (Analytical Methods of Heat and Mass Transfer Problem Solutions), P. N. Romanenko (Computation Methods and Modeling of Heat and Mass Transfer Processes), A. F. Chudnovskiy and G. N. Dul'nev (Thermophysical Characteristics of Various Materials, Heat Conductors, and Methods of their Determination). The delegates expressed high praise for the conduct and accomplishments of the conference.

ASSOCIATION: none

Card 2/3

L 15806-65
ACCESSION NR: AP4047826

SUBMITTED: 00

SUB CODE: TD, GP

NO REF SOV: 000

ENCL: 00

OTHER: 000

Card 3/3

RABINOVICH, G.D.

Conference on Thermodynamics. Inzh.-fiz. zhur. no. 11:120-121
N '64. (MIRA 18:2)

L 29844-66 EWT(1)/ETC(f) WW

ACC NR: AP6007188

SOURCE CODE: UR/0170/66/010/002/0217/0224

AUTHOR: Rabinovich, G. D.

ORG: Institute of Heat and Mass Exchange, AN BSSR, Minsk (Institut teplo- i massoobmena, AN BSSR)

TITLE: Computation for radiative convective recuperators

SOURCE: Inzhenerno-fizicheskii zhurnal, v. 10, no. 2, 1966, 217-224

TOPIC TAGS: heat transfer, heat exchange, thermodynamics, approximate method

ABSTRACT: Simple computational relationships are developed for determining surface heat transfer of radiative-convective recuperators. The computational basis is the linearization of boundary conditions on the surfaces of diaphragms. The functioning of radiative-convective recuperators is briefly outlined. Consideration is given to a recuperator with the parameter $a\theta^3 > 0.05$, where θ^* is the temperature at a point on the barrier. When the condition $a\theta^3 > 0.05$ is fulfilled, the optical characteristics of the system may be neglected in calculations. A linear approximation is demonstrated which allows reduction of the design of such apparatus to an ordinary apparatus of a purely convective type. Design formulae are obtained for the case of parallel and counter flows of heat transfer fluids. The linear approximation is of the form

$$\phi_{12}^* = T^*/B_1 - A_1 \phi^*/B_1 = AT^* + B \phi^*,$$

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UDC: 536.24

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where A and B are, in the first approximation, functions only of the parameter b and are given as

b	A · 10 ³	B	Maximal error, %
2	31,0	0,685	4,0
4	20,8	0,790	2,5
10	8,00	0,919	1,0
25	2,60	0,974	< 1

The variables used in this approximation are defined by G. D. Rabinovich (Teoriya teplovogo rascheta rekuperativnykh teploobmennyykh apparatov. Izd. AN BSSR, 1963). The effectiveness and accuracy of the approximation are discussed. Orig. art. has: 22 equations and 4 figures.

SUB CODE: 13,20/ SUBM DATE: 03May65/ ORIG REF: 011/ OTH REF: 005

Cord 2/2 FV

ACC NR: AP6024639

SOURCE CODE: UR/0170/66/011/001/0054/0059

AUTHOR: Azroyan, K. K.; Lykov, A. V.; Rabinovich, G. D.; Bobrova, G. I. 65
B

ORG: Institute of Heat and Mass Exchange, AN BSSR, Minsk (Institut teplo- i massoobmena AN BSSR)

TITLE: An experimental investigation of the influence of the flow of viscous fluids on transfer processes

SOURCE: Inzhenerno-fizicheskiy zhurnal, v. 11, no. 1, 1966, 54-59

TOPIC TAGS: mass transfer, viscous flow, momentum transfer, gas flow, laminar flow, *heat transfer*

ABSTRACT: Thermodynamics of irreversible processes is used for the study of mass- and heat-transfer processes. To verify the theoretical conclusions, the authors designed an experimental device for the determination of the efficiency of separation of gaseous mixtures in laminar motion. The separation of binary molecular mixtures is generated by a viscous momentum transfer, and following a description of the device the paper presents data on separation of aerosols (tobacco smoke) and binary mixtures (aqueous sugar solutions). Under

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UDC: 536.242:621.039.3

05413-57

ACC NR: AP6024639

isothermal conditions, the heavier component is found concentrated at the center of a rotating disk, as predicted by the theory. Orig. art. has: 4 figures.

SUB CODE: 20/ SUBM DATE: 15Mar66/ ORIG REF: 002/ OTH REF: 003

Card 2/2

RABINOVICH, G. D.

"Investigation of Connection Systems of Electric Indicator Drives." Cand Tech Sci, Leningrad Order of Lenin Inst of Railroad Transport Engineers imeni Academician V. N. Obratsov, Min Railways USSR, Leningrad, 1954. (KL, No 7, Feb 55)

SO: Sum. No. 631, 26 Aug 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

RABINOVICH, G. D.

Rabinovich, G. D.

"Investigation of methods of protecting the linear circuits of central electric stations from false operation when damaged." Min Railways USSR. Leningrad Order Of Lenin Inst of Railroad Transport Engineers imeni Academician V. M. Obraztsov. Leningrad, 1956. (Dissertation for the Degree of Candidate in Technical Sciences).

Knizhnaya letopis'
No. 15, 1956. Moscow.

~~FRISHMAN, M.A.~~
FRISHMAN, M.A., doktor tekhn. nauk; RABINOVICH, G.D., kand. tekhn. nauk.

Reinforced concrete ties in track circuits of automatic block
systems. Avtom. telem. i svias' no. 4:25-28 Ap '57. (MIRA 11:4)
(Railroads--Signaling--Block systems)
(Railroads--Ties, Concrete)

RABINOVICH, G.D.

FRISHMAN, M.A., professor; RABINOVICH, G.D., kandidat tekhnicheskikh nauk,
OLEYNIKOVA, T.M., inzhener.

Electric insulation for reinforced concrete ties. Put' i put.khoz.
no.8:19 Ag '57. (MLPA 10:9)

(Railroads--Ties)

RABINOVICH, G.D., kand.tekhn.nauk

Working stability of regulating valve-type circuits in the switching
diagram of a switch electric drive. Trudy DIIT no.26:191-198 '58.

(MIRA 11:7)

(Electric railroads--Switches) (Electric driving)

FRISHMAN, M.A., doktor tekhn.nauk, prof.; RABINOVICH, G.D., kand.tekhn.nauk,
dotsent

Results of observations conducted on the performance of reinforced
concrete ties in sections with automatic block signaling.

Trudy DIIT no.30:25-43 '60. (MIRA 14:12)
(Railroads--Ties, Concrete)

RABINOVICH, G.D. ; kand.tekhn.nauk, dotsent

Methods of analyzing the specific resistances of rail lengths
on reinforced concrete ties. Trudy DIIT no.30:159-167 '66.
(MIRA 14:12)

(Railroads--Rails)

(Railroads--Ties, Concrete)

FRISHMAN, M.A., prof., doktor tekhn.nauk; RABINOVICH, G.D., dots.,
kand.tekhn.nauk (Dnepropetrovsk)

Norm setting for electric resistances of rail lengths laid
on reinforced concrete ties. Put' 1 put.khoz. 4 no. 5:35-36
My '60. (MIRA 13:11)

(Railroads--Signaling--Block systems)

RABINOVICH, G.D., kand. tekhn. nauk (g. Dnepropetrovsk)

Nylon bushings for rail insulation. Put' 1 put. khoz. 5 no. 3:23
Mr '61. (MIRA 14:3)

(Electric railroads--Rails)

RABINOVICH, G.D., kand.tekhn.nauk

Storage effect in rail networks with reinforced concrete ties.
Autom. telem. i svyaz' 5 no.3:27-29 Mr '61. . . (MIRA 14:9)
(Railroads--Rails)
(Railroads--Signaling--Block system)

PETROV, N.V., kand.tekhn.nauk; RABINOVICH, G.D., kand.tekhn.nauk

Electric resistance of reinforced-concrete ties. Put' i put.khoz.
5 no.4:13-15 Ap '61. (MIRA 14:7)
(Railroads—Ties, Concrete)

RABINOVICH, G.D. [Rabinovich, H.D.], dotsent, kand.tekhn.nauk

Machines control the movement. Znan. ta pratsia no.8:8-9 Ag '62.
(MIRA 15:12)

(Railroads—Automatic train control)

FRISHMAN, M.A., doktor tekhn. nauk; RABINOVICH, G.D., kand. tekhn. nauk

Track circuits using block-type reinforced concrete foundations.
Avtom., telem. i svyaz' 7 no.5:16-19 My '63. (MIRA 16:7)

(Railroads--Track)

RABINOVICH, G.D., dotsent

Performance of reinforced concrete ties in districts with automatic
block systems. Avtom., telem. i svyaz' 3 no.8:42-43 Ag '64.
(MIRA 17:10)

1. Dnepropetrovskiy institut inzhenerov zheleznodorozhnogo trans-
porta.

FRISHMAN, H.A., prof. (Dnepropetrovsk); RABINOVICH, G.D., docent
(Dnepropetrovsk)

Improve the quality of reinforced concrete ties. Put' i put.
khoz. 9 no.12:11 '65. (MIRA 19:1)

PABUNOVICH, G.B., Applicant

Construction of track circuits in a jointless track with reinforced concrete ties. Avtom., teler. i svyaz' 9 no. 14-15 S '65. (MIRA 18:9)

1. Dnepropetrovskiy institut inzhenerov zheleznodorozhnogo transporta.

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1ST AND 2ND GROUPS
PROCESSES AND PROPERTIES INDEX
3RD AND 4TH GROUPS

CO
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Empirical equations for the calculation of radiant tubes and tube stills. G. G. Rehmovich. *Neftepromyshlennost* 28, No. 3, 49-51 (1955).—Math. calcs. using the Wilson equations and that of "Neftepromyshlennost" are presented. A. A. Bochtling

ASO-SLO METALLURGICAL LITERATURE CLASSIFICATION
8-27-55

1ST GROUP
2ND GROUP
3RD GROUP
4TH GROUP

RABINOVICH, Grigorii Grigor'evich

RABINOVICH, Grigorii Grigor'evich. The design of petroleum refining equipment. Izd. 2. Moskva, Gos. nauch.-tekhn. izd-vo neftianoi i gornotoplivnoi lit-ry, 1941. 706 p. (49-57886)

TP690.R3 1941

RABINOVICH, G. G.

"Processes and Apparatus in the Petroleum Industry," Moscow, 1947.

RABINOVICH, G. G.

"Selection of a Rational Arrangement of Connecting Pipes in Multithread Heat Exchangers,"
Neft. Khoz., No. 9, 1948.

RABINOVICH, G. G. and ADEL'SON, S. V.

"Processes and Equipment in the Oil-Processing Industry", *Protsessy i apparaty v neftepererabatyvayushchey promyshlennosti*, State Scientific and Technical Publishers of Petroleum and Mineral Fuel Literature, 1949.

TABCON -W-18076, 11 May 1951

RABINOVICH, Grigorii Grigor'evich

RABINOVICH, Grigorii Grigor'evich. Protsessy i apparaty v neftepererabatyvaiushchei promyshlennosti. Dopushcheno v kachestve ucheb. posobiia dlia neftiarykh tekhnikumov. The processes and equipment of the petroleum refining industry; a textbook. Moskva, Gos. nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1949. 234 p. (51-21810)

TP690.R28

RAFINOVICH, G. G., Eng.

Card. Tech. Sci.

Dissertation: "Determination of the Mean Difference of Temperatures in the Process of Heat Transfer and Principles for Calculating the Heat Exchange Apparatus of Viscous Liquids." Moscow Order of the Labor Red Banner Petroleum Inst imeni Acad. I.M. Gubkin, 24 Jun 54.

SC: Vechernyaya Moskva, Jun, 1954 (Project #17836)

FRISHMAN, M.A., prof., doktor tekhn. nauk; RABINOVICH, G.D., kand. tekhn. nauk

Experimental fastenings for reinforced concrete ties for use on
a track circuit territory. Zhel. dor. transp. 41 no.10:54-55 0 '59.
(MIRA 13:2)

(Railroads--Ties, Concrete)

RABINOVICH, G.I.; GIPSH, B.I.

Checking the skewing of keyways. Stan. 1 instr. 29 no.7:37
J1 '58. (MIRA 11:9)
(Gauges)

Ministerstvo svyazi SSSR. Tekhnicheskoye upravleniye
 Novyye razrabotki v oblasti radio svyazi i radioresheniya; in-
 formatsionnyy sbornik (New Developments in the Field of Radio
 Communication and Radio Broadcasting; Informational Collection)
 Moscow, Svyazizdat, 1959. 80 p. 11,500 copies printed. (Series:
 Tekhnika svyazi)

Resp. Ed.: A. S. Vladimirov; Ed.: V. I. Bashur; Tech. Ed.: G. I.
 Shefer.

PURPOSE: This collection of articles is intended for technical per-
 sonnel concerned with the development and operation of radio
 communication and radio broadcasting.

COVERAGE: The book contains, according to the Preface, information
 on new developments realized at the Gosudarstvennyy nauchno-
 issledovatel'skiy institut Ministerstva svyazi SSSR (State

Scientific Research Institute of the Ministry of Communication
 USSR). Radio communication and radio broadcasting apparatus are
 described. Several articles are concerned with the development
 of new checking and measuring instruments. No personalities
 are mentioned. There are no references.

Bobrov, A. I. Instrument for Measuring Group Delay Time in
 Supernight-Frequency Range 49

Bobrov, A. I. Generator of OS-R-60-Type Signals with Calibrated
 Output Level 59

Rabinovich, G. I. Heterodyne Wave Meter 65

Rabinovich, G. I. Installation for Calibrating Supernight-Frequency
 Attenuators 69

Gurzhich, M. A., V. Ya. Belonitskiy, and M. V. Derugin. Elec-
 tronic Copying Device for Reproducing Electric Pulses of Arbitrary
 Shape From a Drawing 75

RABINOVICH, G.I.; VAKULENKO, V.T.

Design of dies with grooved inserts. Kuz.-shtam. proizv. 3 no.8:
46-47 Ag '61. (MIRA 14:8)
(Dies (Metalworking))

FOMIN, M.V.; RABINOVICH, G.I.

Band-type microwave reflectometer. Elektrosviaz'
16 no.9:33-41 S '62. (MIRA 15:9)
(Microwave measurements)
(Radio relay systems)

RABINOVICH, G.I.

Self-centering clamping devices for machine-tool attachments.
Stan.i instr. 33 no.9:41-42 S '62. (MIRA 15:9)
(Machine tools—Attachments)

RABINOVICH, G.I.

Universal hydraulic clamping device. Stan. 1 instr. 36 no. 12:
34-35 D '65 (MIRA 19:1)

L 20933-66 EVT(1)/EWA(h)
ACC NR: AF6002521

(N)

SOURCE CODE: UR/0286/65/000/023/0027/0027

AUTHOR: Rabinovich, G. I.

ORG: none

TITLE: A subcritical waveguide attenuator. Class 21, No. 176616

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 23, 1965, 27

TOPIC TAGS: waveguide, waveguide slot, attenuation factor

ABSTRACT: This Author Certificate presents a subcritical waveguide attenuator in the form of a rectangular waveguide with longitudinal slots in the wide walls (see Fig. 1). It is designed to reduce the reflection from the waveguide section with

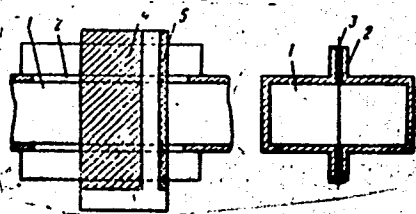


Fig. 1. 1 - waveguide; 2 - longitudinal slots; 3 - dielectric film; 4 - metal layer; 5 - absorbent layer.

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UDC: 621.372.852.3

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ACC NR: AP6002521

the introduced attenuation. A thin dielectric film is placed (instead of the metal plates) in the longitudinal slot. The surface of this film is partially metallized, and the remaining part (free from the metallic layer) is covered with an absorbent layer. The dimensions of the metallic part of the film are determined by the magnitude of the necessary attenuation. Orig. art. has: 1 figure.

SUB CODE: 09/ SUBM DATE: 16Nov63,

Card 2/2

ULR

RABINOVICH, G.I.

Antibacterial therapy of tuberculosis of the peripheral lymph nodes [with summary in French]. Probl.tub. 37 no.1:65-72 '59.

(MIRA 12:2)

1. Iz oblastnogo detskogo tuberkuleznogo sanatoriya zhelezistogo tuberkuleza No.5 Sverdlovskogo oblzdavotdela (g. Nev'yansk Sverdlovskoy oblasti).

(TUBERCULOSIS, LYMPH NODE, ther.
drug ther. (Rus))

CHEPIK, P.D., dotsent; RABINOVICH, G.I.

Determination of temporary disability in diseases of the peripheral nervous system. Zdrav.Belor. 6 no.2:48-50 P '60.

(MIRA 13:6)

(NERVOUS SYSTEM--DISEASES) (DISABILITY EVALUATION)

MASLYANSKIY, G.M.; RABINOVICH, G.L.

Demethylation of toluene by conversion with water vapor.
Neftekhimiia 1 no.2:182-186 Mr-Apr '61. (MIRA 15:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftekhimicheskikh protsessov, g. Leningrad.

(Toluene)

(Catalysts, Nickel) (Methylation)

MASLYANSKIY, G.N.; RABINOVICH, G.L.

Catalytic demethylation of toluene. *Neftekhimiya* 2 no.5:709-
715 S-O '62. (MIRA 16:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftekhimicheskikh
protssessov, Leningrad.
(Toluene) (Methyl group)

MASLYANSKIY, G.N.; RABINOVICH, G.L.; AVTONOMOVA, N.Kh.

Regeneration of a nickel-chromia catalyst in toluene demethylation.
Neftekhimiia 3 no.1:94-96 Ja-F '63. (MIRA 16:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut
neftekhimicheskikh protsessov.
(Toluene) (Nickel catalysts) (Methyl group)

MASLYANSKIY, G.N.; RABINOVICH, G.L.; AVTONOMOVA, N.Kh.

Catalytic dealkylation of ethyl benzene. *Neftekhim* 4 no.3:421-425 My-Je '64. (MIRA 18:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftekhimicheskikh protsessov.

MASLYANSKIY, G.N.; RABINOVICH, G.L.; BRISKER, K.L.

Catalytic dealkylation of isomeric xylenes. Neftekhimia 4
no.3:426-430 My-Je '64. (MIRA 18 2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftekhimi-
cheskikh protsessov.

RABINOVICH, G. M.

USSR (600)

Standards, Engineering

"Standardization and normalization in machine building." Vest mash. 32 no. 5, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1951. UNCLASSIFIED

А-2 100-100-100
GOLANT, Sh.N.; RABINOVICH, G.M.; SPIRIDONOVA, O.M., kand.tekhn.nauk, nauchnyy
red.; ROTENBERG, A.S., red.isdatel'stva; PUL'KINA, Ye.A., tekhn.red.

[Spray painting of buildings, using a paint without an oil base]
Mekhanizirovannaya okraska zdaniy bezmaslianyimi sostavami; opyt
raboty novatora-maliara A.P.Farutina. Leningrad, Gos.isd-vo lit-ry
po stroit.i arkhitekt., 1957. 40 p. (MIRA 10:12)
(Spray painting)

GOLANT, Sh.N., kand. tekhn. nauk; RABINOVICH, G.M., inzh.

Use of plastics and synthetic materials in housing construction. Transp. stroi. 12 no.1:29-32 Ja '62. (MIRA 17:2)

1. Rukovoditel' laboratorii plastmass i sinteticheskikh materialov Leningradskogo nauchno-issledovatel'skogo instituta Akademii kommunal'nogo khozyaystva (for Golant).
2. Nachal'nik otдела novoy tekhniki Lenzhilproyekta (for Rabinovich).

RABINOVICH, G.M.

Capital repair of apartment houses in Leningrad. Gor.khos.
Mosk. 36 no.7:38-40 J1 '62. (MIRA 46:1)

1. Nachal'nik otдела novoy tekhniki i tipizatsii institut
"Lenzhilprovekt".
(Leningrad--Apartment houses--Maintenance and repair)

LYSOVA, A.I., kand. tekhn. nauk; VINER, B.M., inzh.; GABERG, M.M.,
inzh.; IONOVA, K.I., inzh.; KALISTRATOVA, M.V., inzh.;
RABINOVICH, G.M., inzh.; SEISTER, G.M., red.

[Album of precast reinforced concrete elements of enclosing structures for major repair of residential buildings; working drawings] Albom sbornyykh zhelezobetonnykh konstruksii perekrytii dlia kapital'nogo remonta zhilykh domov; rabochie chertezhi. Leningrad, Akad. kommun.khoz. 1963. 115 p. (MIRA 17:7)

1. Akademiya kommunal'nogo khozyaystva. Leningradskiy nauchno-issledovatel'skiy institut.

IVANKOV, V.A.; RABINOVICH, G.M.

New type of elevator. Gor. khoz. Mosk. 37 no.7:20-22 J1 '63.
(MIRA 16:11)

PACHOGIL, Ivan Pavlovich; BURAK, Lev Yakovlevich; RABINOVICH,
Grigoriy Mikhaylovich; KRUGLYAKOV, Yuliy Gdal'yevich;
KOLODEY, A.P., red.

[Practice in planning the capital repairs of residential
buildings] Opyt proektirovaniia kapital'nogo remonta zhi-
lykh zdanii. Moskva, Stroiizdat, 1964. 124 p.
(MIRA 18:1)

RABINOVICH, G.M.

Plan for the major repair of apartment houses using new
materials. Nov. tekhn. zhil.-kom. khoz.: Zhil. khoz. no.2:
93-98 '63. (MIRA 18:6)

DARTAU, A.A.; RABINOVICH, G.N.; USSER, A.S.; YANKOVSKIY, O.A.;
ZHUR, I.V. [deceased]; MEYERSON, I.G., red.

[Description of laboratory procedures in a course in
electric machinery] Sbornik opisanii laboratornykh rabot
po kursu elektricheskikh mashin. Leningrad. No.2. [Synchronous
machines] Sinkhronnye mashiny. 1962. 73 p. (MIRA 17:5)

1. Leningrad. Elektrotekhnicheskii institut svyazi.

L 52991-65

ACCESSION NR AM5001444

BOOK EXPLOITATION

Babenko, Anatoliy Anatol'yevich; Rabinovich, Gersh Rakhmilovich

15
B+1
s/

Technique of simultaneous translation (Tekhnika sinkhronnogo perevoda rechi),
Moscow, Izd-vo "Svyaz", 1964, 200 p. illus., biblio. 2,850 copies printed.

TOPIC TAGS: radio equipment, radio broadcasting, antenna

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SUBMITTED: 20Jul64

SUB CODE: E0

NO REF SOV: 010

OTHER: 006

LL
Card 2/2

RABINOVICH, G.R., inzh.

Problems of scoring systems in premises with rather poor acoustical characteristics. Vest. svyazi 25 no.8:12-13 Ag '65.

(MIRA 18:10)

ZHDANOVSKIY, K.T.; NETREBKO, P.G.; RABINOVICH, G.V.; SUKONNIK, M.A.;
TOVAROVSKIY, I.G.

Blast furnace operations on sinter with the fine fraction sifted
out. Metallurg 10 no.12:3-5 D '65. (MIRA 18:12)

1. Krivorozhskiy metallurgicheskiy zavod.

RABINOVICH, G.Ya.

Determination of the average velocity from combination hodographs.
Razved.i prom.geofiz. no.45:42-47 '62. (MIRA 15:11)
(Seismic prospecting)

R. B. NOVICH, G. Ya.

Radius of exploration in acoustic logging. Vop. razved. geofiz.
no. 3:34-41 '64. (MIRA 18:2)

RABINOVICH, G.Ya.; ZORIN, G.K.

Digitized cross sections of boreholes according to diagrams
of the LAL-1. Vop.razved.geofiz. no.4:78-86 '64. (MIRA 19:1)

DAKHNOV, G.V.; PEREL'MAN, A.L.; RABINOVICH, G.Ya.; SHCHERBAKOVA, T.V.

First results of acoustical logging using the LAK-1 laboratory.
Neftegaz.geol. i geofiz. no.8:23-27 '65.

(MIRA 18:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh
metodov razvedki i Vsesoyuznyy nauchno-issledovatel'skiy institut
razvedochnoy geofiziki.

ACC NR: AR6016963

SOURCE CODE: UR/0169/65/000/012/D041/D041

AUTHOR: Dakhnov, G.V.; Perel'man, A.L.; Rabinovich, G.Ya.; Shcherbakova, T.V.

TITLE: First results of acoustic carottage with the type LAK-1 laboratory

SOURCE: Ref. zh. Geofizika, Abs. 12D283

REF SOURCE: Neftega . geol. i geofiz. Nauchno-tekhn. sb., no. 8, 1965, 23-27

TOPIC TAGS: porosity, elasticity, mineral, seismology, acoustic detection, acoustic equipment/LAK-1 acoustic equipment

ABSTRACT: A brief description of an acoustic carottage laboratory, LAK-1, is given; diagrams registered by the laboratory and problems being solved are discussed and listed. The LAK diagrams can be used for the segregation of the cross sections of bores and the sorting of rocks according to their elastic properties (on the differences of sound passage time and persistence of the wave picture), for the delineation of broken zones, qualitative evaluation of rock porosity; quality control of concrete columns, and for ancillary data for seismic recon interpretation. The use of LAK-1 equipment can be valuable in cases when common carottage methods do not assure solution of problems related to the cross section (e.g. in bores with high mineralization of the boring solution). The precision of velocity determination from diagrams is evaluated. Use of LAK-1 for research in methodology and for the clarification of prospective utilization of acoustic carottage is recommended. A desire for an increase of stable allowable operating temperature and a decrease in the diameter of the apparatus used in bores is expressed. [Translation of abstract].

Card 1/1

SUB CODE: 08

UDC 550.839:550.834

ACC NR: AT6032733

SOURCE CODE: UR/0000/66/000/000/0077/0084

AUTHOR: Perel'man, A. L.; Zorin, G. K.; Rabinovich, G. Ya.

ORG: none

TITLE: Results of tests of mock-ups and samples of acoustic logging equipment and some prospects of its use

SOURCE: AN SSSR. Institut fiziki Zemli. Geoakustika; ispol'zovaniye zvuka i ul'tra-zvuka v seysmologii, seysmorasvedka i gornom dele (Geoacoustics; the use of sound and ultrasound in seismology, seismic prospecting, and mining). Moscow, Izd-vo Nauka, 1966, 77-84

TOPIC TAGS: acoustic logging, well logging, ultrasonic logging, digital computer, seismicologic instrument, engineering machinery

ABSTRACT: The development of pulse acoustic logging equipment in the Leningrad Branch of VNIIGeofizika and VIRG (All-Union Scientific Research Institute of Prospecting Geophysics) since about 1956 is described. The first field test of acoustic logging equipment was made at Ramenskiy well 1 in 1957. A three-element well device containing magnetostrictive emitter and two receivers was used in the experiment. Digital analog computers to determine the formation velocity and total time from the first arrivals were developed by VIRG and LETI (Leningrad Electrical Engineering Institute) in the period 1958-1960. In 1962, industrial tests were made of an experimental model of the LAK-1 acoustic logging device which had been developed by VNIKANeftegaz and

Card 1/2

ACC NR: AT6032733

VIRG. The LAK-1, which has two emitters and one receiver, is now being produced in the Kiev Geophysical Instrument Plant. Orig. art. has: 3 figures.

SUB CODE: 08/3/ SUBM DATE: 28Mar66/ ORIG REF: 003/ OTH REF: 002

Card 2/2

ACC NR: AP6035895

SOURCE CODE: UR/0413/66/000/020/0131/0131

INVENTOR: Rabinovich, G. Ya.

ORG: None

TITLE: A method for determining the angles of inclination of acoustically reflecting boundaries. Class 42, No. 187336 [announced by the All-Union Scientific Research Institute of Exploratory Geophysics (Vsesoyuznyy nauchno-issledovatel'skiy institut razvedochnoy geofiziki)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 20, 1966, 131

TOPIC TAGS: acoustic reflection, acoustic analysis, elastic wave, seismology

ABSTRACT: This Author's Certificate introduces a method for determining the angles of inclination of acoustically reflecting boundaries by acoustic pulse well logging. The procedure is designed for obtaining complete information on the geologic profile of the well being studied. During acoustic well logging, elastic oscillations propagated by rocks from the radiator to the detectors along a path with minimum propagation time are recorded together with elastic oscillations reflected from the acoustic boundaries intersected by the given well. The angles of inclination of each reflecting boundary are calculated from the formula:

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UDC: 550.839:550.834

ACC NR: AP6035895

$$\alpha = \arcsin \frac{1}{2} \frac{V_n}{V_{ko}}$$

where V_n is the rate of propagation of longitudinal elastic oscillations in a homogeneous layer determined from the first arrivals of signals received during acoustic pulse logging; V_{ko} is the apparent velocity of arrival at the detector of reflected longitudinal elastic oscillations recorded during acoustic pulse logging within the limits of the same homogeneous layer.

SUB CODE: 08/ SUBM DATE: 08Mar65

Card 2/2

RABINOVICH, I.

Mission of Academician F. Blumbachs, with a view to inspecting quality of large-size astronomical instruments, ordered in England for the Pulkovo Observatory. Vestis Latv ak no.4:143-149 '61

(EEAI 10:9)

(Blumbachs, Fricis) (Astronomy)

RABINOVICH, I., master sporta

At the finish line. Voen.znan. 41 no.11:38-39 N '65.
(MIRA 18:12)

AZERNIKOV, V.; ARLAZOROV, M.; ARSKIY, F.; BAKANOV, S.; BELOUSOV, I.;
BILENKIN, D.; VAIEL', I.; VLADIMIROV, L.; GUSHCHEV, S.;
YELAGIN, V.; YERESHKO, F.; ZHURBINA, S.; KAZARNOVSKAYA, G.;
KALININ, Yu.; KELER, V.; KONOVALOV, B.; KREYNDLIN, Yu.;
LEBEDEV, L.; PODGORODNIKOV, M.; RABINOVICH, I.; REPIN, L.;
SMOLYAN, G.; TITARENKO, V.; TOPILINA, T.; FEDCHENKO, V.;
EYDEL'MAN, N.; E-ME, A.; NAUMOV, F.; YAKOVLEV, N.;
MIKHAYLOV, K., nauchn. red.; LIVANOV, A., red.

[Little stories about the great cosmos] Malen'kie rasskazy o
bol'shom Kosmose. Izd.2., Moskva, Molodaia gvardiia, 1964.
368 p. (MIRA 18:4)

RABINOVICH, I.; KUL'BITSKIY, V.

Effect of heated buildings on the depth of ground freezing.
Zhil. stroi. no.6:12 '65. (MIRA 18:10)

RABINOVICH, I. A.

Rabinovich, I. A. "Problems of providing high-quality ventilation", (in mines), in the collection entitled: Voprosy gornogo dela, Moscow, 1948, p. 55-65.

SO: U-2000, 12 Feb. 53, (Letopis' Zhurnal 'nykh Statey, No. 2, 1949).

PROCESS AND PROPERTIES INDEX																																																																													
CA 19 The melting of selenium-containing ruby glass. H. A. Lamm and I. A. Rabinovich. <i>Lepkova Prom.</i> 8, No. 12, 10-11(1968).—The coloration of ruby glass is detd. by its fundamental compn., by the nature of the coloring agent, the amt. of coloring agent, and the melting schedule. The coloring agent in the contg. ruby glass is CdS.CdSe. The charge for manuf. of such glass is 100 kg. sand, 11.3 kg. borax, 16.5 kg. ZnO, 3.8 kg. chalk, 24.2 kg. potash, 18.0 kg. soda, 2.0 kg. CdS, 1.5 kg. Se, and 0.8 kg. CdCO₃. Marshall Sittig																																																																													
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																																																																													
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RABINOVICH, I. A.

25538. MASLYUK, G. M., RABINOVICH, I. A., DAVYDOVA, B. L. i ZAMETKI
Otkliki chitateley na stat'yu Dokt. Tekhn. Nauk B. L. Davydova "Avtomaticheskoe
Regulirovaniye shakhtnykh pod'emnykh mashin kak prilozheniye Garmonicheskogo
pod'ema Akad. M. E. Fedorova" (UGOL'), No. 1, 1948). I. G. M. MASLYUK
- II. I. A. RABINOVICH. Po povoidu stat'bi B. L. Davydova i Zametki
G. M. Maslyuka. Ugol', 1948, No. 6, s-34-36.

SO: Letopis' Zhurnal Statey, No. 30, Moscow, 1948

RABINOVICH, I.A. , ...

a50/2060 (Speeding up and improving formation of diamond-like facets on glass-ware).
Uskorenie i usovershenstvovanie nanesenii almaznoi grani na stekliannye izdeliia.
Legkaia Promshlennost', (11): 24-26, 1949.

RABINOVICH, I. A.

PHASE I TREASURE ISLAND BIBLIOGRAPHICAL REPORT AID 728 - I

BOOK

Call No.: AF326416

Author: Rabinovich, I. A.

Full Title: SURFACE GRINDING AND FLAT-SURFACE GRINDING MACHINES

Transliterated Title: Shlifovaniye ploskostey i ploskoshlifoval'nyye stanki

PUBLISHING DATA

Originating Agency: None

Publishing House: State Scientific and Technical Publishing House of Machine-building and Shipbuilding Literature (MASHGIZ)

Date: 1950

No. pp.: 251

No. of copies: 3,900

Editorial Staff: Vydrin, P. G., Eng. - Editor and Kedrov, S. M. - Appraiser

PURPOSE: To provide engineers and technicians in metalworking shops and elsewhere with the latest pertinent information on surface grinding with abrasive wheels, on precision-grinding machines, on accessories and on their proper handling.

TEXT DATA

Coverage: The first part of the book contains concise basic information on surface grinding with abrasive wheels, which has during the last 30 years been steadily replacing conventional cutting, milling and otherwise processing of metals, and minutely describes various abrasives materials, the form and structure of

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Shlifovaniye ploskostey i ploskoshlifoval'nyye stanki

AID 728 - I

abrasive wheels, the characteristics of grinding, lapping and polishing of metals, and the accuracy and smoothness of flat surface grinding.

The major portion of the second part of the book is devoted to **precision grinding machines**. Their classification and many subdivision-types are fully described and illustrated with pictures and diagrams. The component parts of various grinders, and the various auxiliary mechanisms and equipment, such as hydraulic transmissions and electromagnetic benches, etc. are also well presented and illustrated.

The author describes many typical Soviet precision surface grinding machines, such as the SK-371 and the complicated semi- and fully automatic (3772 and 3772-N17) models, as well as other types for various purposes and multiple-action grinding machines. One chapter in the book is devoted to the grinding, lapping and finishing of very thin objects, exceptionally delicate pieces (calipers, patterns, etc.) and those requiring special or complicated **handling**.

No. of References: 34 Russian refs. 1936-1949

Facilities: Moscow Plant for Grinding Machine Tools (MSZ) - Moskovskiy Zavod Shlifoval'nykh Stankov; "Kommunar" Machine-Tool Plant (in Saraktash, Chkalovskaya o.)

2/2

RAFINOVICH, I.A.

Metody raboty znatnykh stakhanovtsev Moskovskogo zavoda shlifoval'nykh
stankov.
Moskva, Mashgiz, 1951. 187 p.

Working methods of notable Stakhanovites at the Moscow plant for grinding
and polishing machines.

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library
of Congress, 1953.

RABINOVICH, I.A.

SHEYNBLYUM, I.I.: FEL'ZENBAUM, V.G.: RABINOV, I.L., kandidat tekhnicheskikh nauk; RABINOVICH, I.A., redaktor; LYUDKOVSKAYA, N.I., tekhnicheskiiy redaktor.

[Following the example of leading factories; the work practice of Novorossiisk slate] Po primeru peredovykh zavodov; iz opyta raboty novorossiiskikh shifernikov. Moskva, Gos. izd-vo lit-ry po stroit. materialam, 1954. 16 p. (MLRA 8:8)

1. Nauchnyye sotrudniki Vsesoyuznogo nauchno-issledovatel'skogo instituta asbestotsementnykh izdeliy "VNIAsbestotsement" MPSM SSSR. (for Sheynblyum, Fel'zenbaum)
(Asbestos cement)

PATENKO, A.P., redaktor; RABINOVICH, I.A., redaktor; PANOVA, L.Ya., tekhnicheskiy redaktor

[For high quality glass; work practice of the "Järvakandi" combine]
Za vysokoe kachestvo stekla; iz opyta raboty kollektiva kombinata
"Järvakandi." Moskva, Gos. izd-vo lit-ry po stroitel'nym materialam, 1954. 47 p. (MLRA 8:7)
(Glass)

RABINOVICH, I.A., inzh.

Field of use and necessary specifications for hoisting machines
with multirope friction drums. Ugol' 32 no.8:23-30 Ag '57.
(MLBA 10:9)

1. TSentrogiproshakht.
(Mine hoisting)

RABINOVICH, I.A.

Economic effectiveness of prospecting operations in the Karadag
gas field. Izv. vys. ucheb. zav.; neft' i gaz no.1:163-170 '58.
(MIRA 11:8)

1. Azerbaydzhanskiy industrial'nyy institut im. M. Azizbekova.
(Apsheron Peninsula--Gas, Natural--Geology)

RABINOVICH, I.A.

Evaluating the economic effectiveness of the introduction of new equipment and organizational and technical measures in the petroleum and gas industries. Izv. vys. ucheb. zav.; neft' i gaz 2 no.5:107-112 '59. (MIRA 12:8)

1. Azerbaydzhanskiy institut nefti i khimii im. M. Azizbekova.
(Petroleum industry--Costs)

RABINOVICH, I.A.

Method for calculating the cost of gas and gas condensate production. Azerb.neft.khoz. 37 no.6:46-48 Je '59.
(MIRA 13:4)

(Gas, Natural--Costs)

RABINOVICH, I.A.; KAUFMAN, V.P.

Computation of specific and total capital investments in determining
their economic effectiveness in the oil field industry. Izv.vys.
ucheb.zav.; neft' i gaz 4 no.7:115-119 61. (MIRA 14:10)

1. Azerbaydzhanskiy institut nefti i khimii im. M.Azizbekova.
(Oil fields---Production methods)

SAUFMAN, V.F.; NABINOVICH, I.I.

Working out methods suitable for a given industry for the
determination of the economic effectiveness of capital investments
in petroleum production. Azerb. neft. khoz. 40 no.12:53-55 D '61.
(1961 12:5)

(Oil fields—Production methods)
(Capital investments)

BOYKO, A.A., inzh.; BRASOVANYI, M.F., kand. tekhn. nauk; BASHIN,
I.A., inzh.; BAYTSKY, A.F., inzh.; POLISSIN, Ya.I., inzh.;
SOKOLEV, A.G., inzh.; GURMAN, I.V., kand. tekhn. nauk;
TOPONIKOV, A.V., prof.; FEDERIKOV, I.I., kand. tekhn.
nauk; OKHRENNIKOV, V.A., kand. tekhn. nauk; MELNIK, M.E.,
kand. tekhn. nauk; KUMENISOV, E.A., inzh.; KASIMOVICH, I.I.;
YASNYI, V.K., inzh.; LITSNITS, I.I., kand. tekhn. nauk,
representant; BASANOV, A.I., inzh., representant; LOMILINA,
L.N., tekhn. red.

[Brief handbook of a coal mining engineer] Kratkiy spravochnik gornogo inzhenera ugol'noi shakhty. Moskva, Gosgortekhzdat, 1963. 699 p. (MIRA 17:5)

Electroconductivity of lime in the course of slaking and setting. I. H. MARSHALL AND R. V. CHIN. 267.
Publ. in: J. Am. Chem. Soc. 1940, 62, 267.
 The conductivity of the system $\text{CaO}-\text{H}_2\text{O}$ (taken in definite proportions) was studied to examine more closely the phenomenon observed by Chin that when lime is slaked in 50 to 150% of its weight of water and the temperature of the mix does not exceed 100°, slaking and setting take place concurrently, the latter being completed within 1 hr. To eliminate the effect of temperature on the conductivity, the measurements were carried out isothermally. Samples of technical and pure CaO were used. The $\text{CaO}:\text{H}_2\text{O}$ weight ratios were 0.7, 1, 1.5, and 2. No measurements could be taken at the 0.7 ratio because the heat evolved was too intense and could not be led away quickly. Immediately following slaking, the conductivity of all the mixtures was high, approximately 5×10^{-4} . It then dropped rapidly over a period of 7 min for the pure CaO and 10 min for the technical CaO . After this, some of the curves showed a minimum, others a short leveling off, and still others a slower drop. The conductivity kept on declining at a rate which became slower with time. When H_2O and CaO are mixed, a

chemical reaction first takes place. The reaction takes place on the interface as the low solubility of the $\text{Ca}(\text{OH})_2$ formed prevents deeper penetration of H_2O . Since, however, the product is somewhat soluble and dissociates strongly, the conductivity rises sharply above that of H_2O . The solution soon becomes saturated and precipitation starts, causing the conductivity to drop. The H_2O becomes fixed in the process of setting and the viscosity increases, both of which reduce the conductivity still more. In the process of slaking, colloidal particles are also formed. These were determined as carrying a positive charge. The charged particles raise the conductivity of the system to some extent but not enough to compensate for the drop caused by the other factors. The conductivity phenomena observed in the system $\text{CaO}-\text{H}_2\text{O}$ are analogous to those observed in setting concrete. M. H.

CA

Apparatus for the potentiometric determination of pH.
I. B. Rabinovich (Gorki State Univ., Russia). *Zashch. Steklo* 14, 675-6 (1968). —The cell to be measured is balanced against an applied (dry cell) voltage by means of a potentiometer; the cell is then disconnected and the voltage required for compensation read with a millivoltmeter. This meter also serves as the null indicator.
Cyrus Feltman

RABINOVICH, I. B.

PA 16/49T30

USSR/Electricity
Potentiometers
Instruments, Measuring

Sep 48

"Tube-Equipped Potentiometers," A. A. Ryabov, D. A. Vyakhirev, I. B. Rabinovich, 2 $\frac{1}{2}$ pp

"Zavod Lab" Vol XIV, No 9

Describes tube potentiometer for measuring EMF of galvanic circuits. Includes two circuits diagrams and one photograph. Instruments gives reliable steady readings during continuous operation, and is not affected by sudden voltage changes.

PA 16/49T30

RABINOVICH, I. B.

USSR/Chemistry - Reduction, Electro-Polarography

nov 49

"Polarographic Determination of Picric Acid," M.B. Meyman, L. I. Kuznetsov,
I. B. Rabinovich, A. V. Ryabov, Inst of Chem, Gor'kiy State U, 4 pp

"Zavod Lab" No 11

Describes experiments on electroreduction of picric acid on mercury-drop cathode.
Determines most favorable conditions for its quantitative determination by
polarographic methods. Includes four graphs.

PA 153T11

Colorimetric determination of copper in copper cyanide electrolytes. I. B. Rabinovich, S. I. Kaplanish, and N. A. Izurdeva (Gorki State Univ.). *Zashchita Lab.* 10, 747 (1959).—The Cu-CN complex decompl. by H_2SO_4 is neutralized with NH_4OH ; the Fe is removed by filtration and the filtrate analyzed colorimetrically for Cu visually or photometrically against known standards. Without color filters detn. of 0-0.35 g./l. can be made; yellow or red filters raise the limit to 0.5-0.65 g./l. G. M. K.

RABINOVICH, I. B.

1. The path of transfer of hydrogen in the reaction of reduction of nitrosoacetanilide with ethyl alcohol. I. B. Rabinovich and Z. D. Malukhova (State Univ., Gorkii). Sbornik State Obshchei Khim., Akad. Nauk S.S.S.R. 1, 252-3 (1953).--Heating 15 g. PhN(NO)Ac in 100 ml. EtOH contg. 0.05% EtOD 15 hrs. at 25-30°, followed by 2 days at room temp., treatment with H_2O and steam distn. yielded about 2 ml. C_6H_5 , which on examn. for D content, by combustion, yielded H_2O whose D was about 0.003 units greater than standard D. This increment amts. to less than 1% possible D incorporation. Thus the C_6H_5 is formed in this reaction by acceptance of one of the C-H hydrogens from EtOH and not the OH hydrogens. Cf. DeTar (C.A. 45, 9514f) and Huisgen and Norkaten (C.A. 40, 5623g).
G. M. Kosolapoff

198 8/1

RABINOVICH, I. B.

✓ Photogalvanic investigation of iron passivation in nitric acid. I. B. Rabinovich, V. I. Veselovskii, and L. N. Bokov (State Univ., Gorki). *Zhur. Fiz. Khim.* 29, 2218-21 (1955); cf. *C.A.* 44, 9296. — The previously described photogalvanic method was used in the investigation of Fe passivation. Fe is highly photogalvanically active in concd. HNO_3 . The photogalvanic-effect mechanism is a sensitization mechanism, light being absorbed by the ferric oxide, which decomp. with the formation of a single-layer potential-detg. complex. Fe passivated in HNO_3 behaves analogously to the Fe which has an oxide layer formed on its surface thermally, which is a novel confirmation of the film theory of metal passivation in solns. of oxidizing substances. W. M. Sternberg

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AM ~~1955~~

RABINOVICH, F. B.

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6

The isotope effect in the mutual solubilities of liquid deuterium compounds. I. B. Rabinovich, V. D. Fedorov, N. P. Pashkin, M. A. Avdeyev, and N. Ya. Pimenov, (State Univ., Gorkii, Doklady Akad. Nauk S.S.S.R. 105, 103-111 (1955).—The isotope effect on the mutual solubilities of the components was studied in 10 binary systems at temps. up to the crit. soly. temp. One of the compds. in the system was always heavy water, and the others were CH_3NO_2 , fural, EtOAc , MeOAc , $\text{C}_6\text{H}_5\text{ND}_2$, BuOD , sec-BuOH , PhOD , isodeuteriotartaric acid, and deuterio-lactic acid, with the D always as component of the acid or alc. OH group. The temp. during the measurements was kept within 0.2° . The results were compared with the soly. values of the corresponding H compds. The phase equil. diagrams invariably were displaced by the isotopes. The complete miscibility areas were invariably larger in systems contg. D compds., than with H compds. The usual increase was 5-20%, occasionally as much as 70%. An explanation of the difference is suggested. W. M. S.

PM

Category : USSR/Atomic and Molecular Physics - Statistical physics. Thermodynamics D-3

Abs Jour : Ref Zhur. - Fizika, No 1, 1957, No 857

Author : Rabinovich, I.B., Sokolov, N.N., Artyukhin, P.I.

Title : Isotopic Effect in the Vapor Pressure of Liquid Deuterium Compounds.

Orig Pub : Dokl. AN SSSR, 1955, 105, No 4, 762-765

Abstract : An investigation was made of the temperature dependences of the vapor pressure of many deuterium compounds (the parentheses indicate the temperature range in which the given substance was studied): isopropyl (15--80) and n-butyl (20 -- 100) deuterium alcohols (with deuterium in the hydroxyl), $C_6H_5ND_2$ (50 -- 80), acetic acid (15 -- 110), isobutyric acid (50 -- 90), and isovaleric acid (55 -- 110) (with deuterium in the carboxyl).

State Univ, Gorky

Card : 1/1

RABINOVICH, I.B.

Method for rapid analysis of limestone. Sakh.pren.30 no.3:63-64 Nr '56.
(MLRA 9:7)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sakharney promyshlennosti.
(Limestone--Analysis)